Claims

What is claimed is:

1. A hanger system for supporting a flexible medical container in a support container, the system comprising:

a support member adapted to be connected to a top portion of the support container;

a hanger having a plurality of depending members adapted to be connected to the flexible container, the hanger being connected to the support member.

2. The hanger system of claim 1 wherein the support member has a first post and a second post, the posts connected by a cross rail, the first post adapted to be connected to a top portion of one side of the support container and the second post adapted to be connected to a top portion of an opposite side of the support container.

3. The hanger system of claim 1 wherein the depending members are each pivotable about a substantially horizontal axis.

4. The hanger system of claim 1 wherein the hanger further comprises a first member having first end and second end, and a second member having first end and second end, the members connected together substantially at their respective midportions to form an x-shaped member.

5. The hanger system of claim 4 wherein a depending member is pivotally connected to each end, each depending member being adapted to connect to the container.

6. The hanger system of claim 1 wherein each depending member has a peg, the peg being insertable into an eyelet of the flexible container.

7. The hanger system of claim 1 wherein the hanger is connected to the support member by a cable, the cable having a first end and a second end, the first end being connected to the hanger.

8. The hanger system of claim 7 further comprising a counterweight, wherein the cable passes over the support member and the second end of the cable is connected to the counterweight, the counterweight being suspended outside and adjacent the support container.

9. The hanger system of claim 8 further comprising a first pulley connected to the support member wherein the cable passes over first pulley.

10. The hanger system of claim 9 further comprising a second pulley connected to the support container wherein the cable passes over the second pulley.

11. A hanger system for supporting a large volume flexible medical container in a rigid box, the system comprising:

an overhead support bracket adapted to be connected to a top portion of the box;

a first pulley mounted on the support bracket;

a hanger having a first member having first end and second end, the hanger further having a second member having first end and second end, the members connected together substantially at their respective midportions to form an x-shaped member, each end having a depending member pivotally connected thereto, each depending member being adapted to connect to the container;

a second pulley connected to the box;

a counterweight; and

a cable having a first end and a second end, the first end connected to the hanger and the second end connected to the counterweight wherein the cable passes over the first pulley and the second pulley and the counterweight is suspended outside and adjacent to the support container.

12. A hanger system for supporting a large volume flexible medical container in a rigid box, the system comprising a means for upwardly biasing a top portion of the flexible

container, the means being connected to the rigid box and the top portion of the flexible container.

13. A box for supporting a three-dimensional flexible medical container filled with fluid, the box comprising:

a frame having a top portion and a bottom portion, the frame having a plurality of sidewalls connected together at their extremities forming a chamber therein, the frame further having a floor spaced from the bottom portion, the chamber being sized to receive the flexible medical container wherein a bottom wall of the container is supported by the floor and sidewalls of the container are supported by sidewalls of the frame, each sidewall supporting a generally transparent panel.

14. The box of claim 13 wherein the floor has an opening adapted to receive a drain tube connected to the bottom wall of the flexible container.

15. The box of claim 14 wherein the floor has a second opening adapted to receive a second port connected to the bottom wall of the flexible container, which may be used as a locating port.

16. The box of claim 13 wherein one sidewall has a door to allow access into the chamber through the one sidewall.

17. The box of claim 13 wherein the transparent panels are made from polycarbonate.

18. A system for supporting a three-dimensional flexible container within a box, the flexible container having a first perimeter and the box having a second perimeter, the first perimeter being greater than the second perimeter.

19. The system of claim 18 wherein the first perimeter is within a range of about 2% to about 10% larger than the second perimeter.